

IN THE CLAIMS

Please amend the claims as follows:

Claim 1 (Original): An A data management method for managing data having an instance of a unit of data, the instance comprising a cell and a facade, the cell comprising managed data, the facades comprising rows indicating correlation among a plurality of instances, the data being logically arranged by a lexicon, pointers to the instances being formed in a context, the instances storing the data and a data retrieval pattern, and addresses of the data retrieval pattern being stored in the contexts and the rows and their relationships, the method comprising:

assigning different indicees facades to each of a plurality of storage regions that are discriminated from each other by their addresses;

forming entries rows corresponding to records the contexts, the contexts containing comprising address values referring to the storage regions, so that the entries and the address values contained have one to one correspondence the rows are homologized to each of the address values comprised in the contexts; and

registering the entries rows in the indicees facades assigned to the storage regions that are designated by the address values corresponding to the entries rows.

Claims 2-20 (Canceled).

Claim 21 (New): The data management method according to claim 1, wherein the facades are managed by sorting the rows with keys for determining a sorting order of the rows, contents of the contexts that comprise the address values corresponding to the rows being used as the keys.

Claim 22 (New): The data management method according to claim 21, wherein the keys for determining the sorting order of the rows are designated per row.

Claim 23 (New): The data management method according to claim 21, wherein contents of storage regions designated by other address values in the contexts that comprise the address values corresponding to the rows are used as the keys for determining the sorting order of the rows.

Claim 24 (New): The data management method according to claim 21, wherein other address values in the contexts that comprise the address values corresponding to the rows are used as the keys for determining the sorting order of the rows.

Claim 25 (New): The data management method according to claim 21, further comprising changing an order of the rows so that the each key for the rows in the facades does not contradict with the sorting order while the contexts comprising the address values corresponding to the rows, are updated.

Claim 26 (New): The data management method according to claim 23, further comprising changing an order of the rows so that the each key for the rows in the facades does not contradict with the sorting order while the contents of the storage regions designated by the address values are updated.

Claim 27 (New): The data management method according to claim 21, further comprising retrieving facades with specified keys.

Claim 28 (New): The data management method according to claim 27, further comprising determining storage regions comprising designated contents and retrieving facades corresponding to the determined storage regions.

Claim 29 (New): The data management method according to claim 27, further comprising retrieving further facades corresponding to storage regions designated by other address values in contexts that comprise address values corresponding to rows obtained by a preceding retrieval on other facades.

Claim 30 (New): A computer readable storage medium comprising executable data management program instructions for managing data having an instance of a unit of data, the instance comprising a cell and a facade, the cell comprising the managed data, the facades comprising rows indicating correlation among a plurality of instances, the data being logically arranged by a lexicon, pointers to the instances being formed in a context, the instances storing the data and a data retrieval pattern, and addresses of the data retrieval pattern being stored in the contexts and the rows and their relationships, the data management program comprising instructions for:

assigning different facades to each of a plurality of storage regions that are discriminated from each other by their addresses;

forming rows corresponding to contexts, the contexts comprising address values to the storage regions, so that the rows are homologized to each of the address values comprised in the contexts; and

registering the rows in the facades assigned to the storage regions that are designated by the address values corresponding to the rows.

Claim 31 (New): The storage medium according to claim 30, wherein the facades are managed by sorting the rows with keys for determining a sorting order of the rows, contents of the lexicons that comprise the address values corresponding to the rows being used as the keys.

Claim 32 (New): The storage medium according to claim 31, wherein the keys for determining the sorting order of the rows are designated per row.

Claim 33 (New): The storage medium according to claim 31, wherein contents of storage regions designated by other address values in the contexts that comprise the address values corresponding to the rows are used as the keys for determining the sorting order of the rows.

Claim 34 (New): The storage medium according to claim 31, wherein other address values in the contexts that comprise the address values corresponding to the rows are used as the keys for determining the sorting order of the rows.

Claim 35 (New): The storage medium according to claim 31, further comprising an instruction for changing an order of the rows so that the each key for the rows in the facades does not contradict with the sorting order while the contexts comprising the address values corresponding to the rows are updated.

Claim 36 (New): The storage medium according to claim 33, further comprising an instruction for changing an order of the rows so that the each key for the rows in the facades

does not contradict with the sorting order while the contents of the storage regions designated by the address values are updated.

Claim 37 (New): The storage medium according to claim 31, further comprising an instruction for retrieving facades with specified keys.

Claim 38 (New): The storage medium according to claim 37, further comprising an instruction for determining storage regions comprising designated contents and retrieving facades corresponding to the determined storage regions.

Claim 39 (New): The storage medium according to claim 37, further comprising an instruction for retrieving further facades corresponding to storage regions designated by other address values contained in contexts that comprise address values corresponding to rows obtained by the preceding retrieval on other facades.